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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Joseph I. Chamdani

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02/06/2006

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EXAMINER

HAMANN, JORDAN J

ART UNIT

PAPER NUMBER

2667

DATE MAILED: 02/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/091,916	Applicant(s) CHAMDANI ET AL.	
	Examiner Jordan Hamann	Art Unit 2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 March 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 38-46 is/are allowed.
- 6) ☒ Claim(s) 1-4, 6, 10-13, 15, 19-22, 24, 28-31, 33 and 37 is/are rejected.
- 7) ☒ Claim(s) 5, 7-9, 14, 16-18, 23, 25-27, 32 and 34 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 March 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>3/5/02 & 6/11/02</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: Figure 3 Elements 90 & 92. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "890" has been used to designate both a step in Figure 16 and an interface converter paddle.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "892" has been used to designate both a step in Figure 16 and an interface converter paddle.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The disclosure is objected to because of the following informalities: page 18 line 31 "Transceivers 810" should be --Transceivers 820--, page 21 line 22 "coupled to transceivers 810" should be --coupled to transceivers 820--, and page 23 line 3 "notifies serdes 810" should be --notifies serdes 830--.

Appropriate correction is required.

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 6, 10-13, 15, 19-22, 24, 28-31, 33 & 37 rejected under 35

U.S.C. 102(e) as being anticipated by Latif et al. (US 6,400,730 B1).

With respect to claims 19 & 20, Latif discloses in Figure 5, column 6 lines 46-57, and column 17 lines 36-41 a method for converting data signals, comprising:

determining whether a coupled interface converter paddle coupled to a serdes comprises a first interface converter paddle or a second interface converter paddle, the first interface converter paddle associated with a first communication protocol, the second interface converter paddle associated with a second communication protocol;

identifying the communication protocol associated with the coupled interface converter paddle;

receiving a plurality of data signals from the coupled interface converter paddle;

deserializing the data signals according to the identified communication protocol;

receiving a plurality of outgoing data signals from a line card; and

serializing the outgoing data signals according to the identified communication protocol.

With respect to claim 21, Latif discloses the method of Claim 19, further comprising:

transforming the data signals from an optical form to an electrical form;

transmitting the data signals to the serdes;

receiving a plurality of outgoing data signals from the serdes; and

transforming the outgoing data signals from an electrical form to an optical form (column 17 line 37-41 and column 9 lines 3-8, wherein Gigabit Ethernet is supported over both optical fiber and twisted pair cable).

With respect to claim 22, Latif discloses the method of Claim 19, further comprising:

transmitting the data signals to the serdes, the data signals comprising a plurality of electrical signals; and

receiving a plurality of outgoing data signals from the serdes, the outgoing data signals comprising a plurality of electrical signals (column 17 line 37-41 column 9 lines 3-8 wherein Gigabit Ethernet is supported over both optical fiber and twisted pair cable).

With respect to claim 24, Latif discloses the method of claim 19, further comprising adjusting a speed of the data signals to a generic speed (column 7 lines 37-39).

With respect to claims 1-4 & 6, 10-13 & 15, 28-31 & 33, the apparatus claims, system claims, and logic embodied in a computer readable medium claims are interpreted and rejected for the same reasons as set forth in the method claims 19-22 & 24, respectively.

With respect to claim 37, the system claim is interpreted and rejected for the same reasons as set forth in the method claim 19.

Allowable Subject Matter

Claims 5, 7-9, 14, 16-18, 23, 25-27, 32, 34-36 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

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independent form including all of the limitations of the base claim and any intervening claims.

Claims 38-46 are allowed.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jordan Hamann whose telephone number is (571) 272-8564. The examiner can normally be reached on Monday-Thursday 8:30-5:30 and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JJH


CHI PHAM
SUPERVISORY PATENT EXAMINER
ELECTRONIC BUSINESS CENTER
2/3/06